

ABSTRACT OF THE DISCLOSURE

A fuel pressure control apparatus for a cylinder injection type engine capable of restarting the engine without fail notwithstanding increase of fuel pressure due to temperature rise immediately after stoppage of engine operation. Fuel is supplied from a high pressure fuel pump (5) to a fuel rail (2) to be injected by fuel injection valves (1) into combustion chambers (20) of cylinders. An ECU (10) estimates increment (ΔP) of the fuel pressure (PF) within the fuel rail (2) after stoppage of the engine operation on the basis of a water temperature (THW) and an intake air temperature (THA) to restrict a maximum value of a desired fuel pressure (P_o) so that a sum value (PM) of the desired fuel pressure (P_o) and the increment (ΔP) does not exceed the critical actuation pressure (P_i) of the fuel injection valve (1).